Heaton Norris Urban District Council.

REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

F. W. JORDAN, M.D. (Durham,) D.P.H. (Vict.)

for the year 1907.

Area of the District in Acres	1,619
Population, Census 1901	9,474
Population, estimated to middle of 1907	11,318
Death-rate per thousand of Population	8·3
Birth-rate per thousand of Population	12·0
Infantile Death-rate per thousand births ...	73
Zymotic Death-Rate	0·44
Phthisical Death-Rate	0·35

STOCKPORT:
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Mr. F. W. JORDAN, M.D.

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Mr. WALTER BANKS, A.M.Inst.C.E.

Sanitary Inspector,
Mr. ISAAC CUNLIFFE.

A Summary of the action taken during the year to prevent the spread of Disease.

The following table gives the incidence of notifiable Disease in the District:

WARD	Scarlet Fever.											Enteric.	Erysipelas.						Diph'ria	Totals.	
	Jan.	Feb.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	July	April	June	July	Aug.	Nov.	Dec.	Sept.	1907	1906
Heaton Chapel	0	0	1	0	0	0	0	0	0	3	14	0	0	0	1	0	0	0	0	19	6
Heaton Moor East	1	0	0	1	1	0	5	0	1	1	0	0	1	0	0	1	1	1	0	14	9
Heaton Moor West	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3	9
Heaton Mersey ...	1	1	2	0	1	1	0	1	0	2	0	8	0	1	0	0	0	0	3	21	9
Total.....	2	1	3	1	2	1	5	1	2	7	15	8	1	1	1	1	1	1	3		
1907	40											8	6						3	57	
1906	18											2	8						5		33
Removed to Hospital																					
1907	10											8	0						1	19	0
1906	7											0	0						0	0	7
Died	0											0	0						0	0	0

For particulars of the cases removed to Hospital see Table III.

The incidence of infectious disease was slight for the first few months, there being only 10 cases of Scarlet Fever; during the rest of the year there were 30 cases. These occurred in groups, constituting separate outbreaks, which were specially reported to the District Council at the end of December.

In July, Measles and Whooping Cough were prevalent all over the District, and owing to the great fall in school

attendance I advised the closing of St. John's School. St. Thomas' School was already closed for holidays. Both schools were cleansed and disinfected.

On one occasion I was called on to assist in the diagnosis of a case of Scarlet Fever, and several cases necessitated some investigation on my part. There were 2 false reports of existence of infectious disease.

Two of the cases of Scarlet Fever in neighbouring houses were contracted at a children's party held a fortnight after a boy's return from hospital.

One of the groups of Scarlet Fever cases was a large family to whom the infection was distinctly brought from a distance.

There were 2 cases of Diphtheria.

A case of Zymotic Cerebro—Spinal Meningitis—was reported, but it is doubtful that it was a true case.

The incidence of infectious disease, as exemplified in my statistics from year to year, seems to me to point the moral that a greater use of soap and water would be useful, and that the want of bathing facilities is one cause of the spread of this class of illness among the working population. Public baths are, in my judgment, certainly wanted at Heaton Mersey, and wash-houses would save a great deal of discomfort in cottages. An outbreak of Enteric Fever was a subject of investigation. It occurred in an industrial school. It was found that it might be due to a defective system of drainage, and this in an unsatisfactory condition. On further investigation, however, it was found to be due to the consumption of mussels gathered from an infected area.

Influenza commenced at the close of 1906, and there were many cases. The epidemic gradually abated, but in March there was a recrudescence of a rather severe type producing Pneumonia and marked debility. Many of the cases of feverish colds and catarrhs were doubtless of influenzal origin.

In dealing with infectious cases we send to hospital such cases as cannot be properly isolated at home. During the year we sent, as table III shows, 10 cases of Scarlet Fever out of 40 reported, and 1 case of Diphtheria.

We keep our Scarlet Fever cases in hospital until all peeling has ceased. This is a wise precaution as it is not yet proved that peeling is harmless as a carrier of infection, as some hospital superintendents seem to think. The precaution is expensive. Nine of the Scarlet Fever cases and the Diphtheia case cost about £130 over and above the annual retaining fee.

As to cases retained at home, we are strict in requiring rigid isolation, and we disinfect premises thoroughly. We send bedding to be stoved. This costs us a guinea a case.

The average period of detention in hospital was 7 weeks for each case.

I am pleased to say that our Small-Pox Hospital continues to be unoccupied. At the time of the scare, five years ago, an excellent hospital was erected, and it has been kept, ever since, in a condition suitable for immediate occupation should it be required. Happily it has not been required.

It seems a pity that this well equipped hospital cannot be utilised in some way. Suggestions have been made in connection with such institutions, but none were of a practical

character. The building must be kept, therefore, for its original purpose.

It is satisfactory to know that we are always ready, not only with regard to Small-Pox, but also with regard to other infectious diseases. Our present arrangements are excellent.

Diphtheria cases from small tenements, if well marked, are sent to hospital, partly to prevent the spread of infection and partly for the benefit of treatment.

In all cases of Diphtheria and Enteric Fever we test the drains.

In the outbreak of Enteric Fever, referred to above, all the cases were sent to hospital and the drains were reconstructed.

During the year 20 pathological specimens were examined by Professor Delepine, viz :—

Diptheria, 4—1 of which was positive.
Enteric Fever, 13—5 of which were positive.
Phthisis, 3—2 of which were positive.

I attended to various nuisances that might have been the cause of illness, such as ashpits, deposits of rubbish, sewer grid smells, examination of henpens, faulty drains, diseased meat, disinterment, etc., which will be mentioned in the report of the Sanitary Inspector.

One case of polluted well-water on a farm was dealt with by the Council. It was due to defective pavement and want of proper protection of the well. Matters were greatly improved, and the water has since been pronounced by the County Analyst to be usable.

At the beginning of the year the condition of the drinking water of the District was found to be such as to

cause some anxiety. Much trouble and considerable expense were required to make out our case which we succeeded, however, in doing. The water was found to contain an appreciable quantity of lead due to the soft water acting on the lead of the service pipes. No change has been made, the water acts on the lead just as much as it did twelve months ago. The water is quite safe to use if it is run off freely so as to get rid of that that has been standing in the pipe. It is not advisable to drink the water out of the warm tap under any circumstances.

Account of the Sanitary state of the District generally at the end of the year.

Privy conversion has gone on apace during the year. In one small area all the privies have been replaced by water closets; and in Heaton Mersey village, the people, seeing the advantage of the change, seem quite desirous of it.

Account of inquiries made as to conditions injurious to health existing in the District, and the proceedings in which the Medical Officer of Health has taken part or advised under the Public Health Act, 1875.

During the year special reports were made on the following subjects :—

1. Water Supply of the District.
2. School Closure.
3. Farm Premises.
4. Cerebro-spinal Meningitis.
5. Enteric Fever outbreak.
6. Prevalence of Scarlet Fever.

These matters have been touched upon in the early part of this report.

Registered Milk Sellers in the District	...	17
Cow Keepers	...	10
Bakehouses : Heaton Chapel ...	... ...	4
Heaton Moor East	... ...	1
Heaton Moor West	... ...	3
Heaton Mersey ...	... ...	1
Slaughter-houses : Heaton Chapel	... ...	1
Heaton Mersey	... ...	1

A copy of my report under the Factory and Workshops' Act will be found appended.

Tabular statement of mortality within the District classified according to disease, ages, and localities.

The area of the District is 1619 acres.

Last summer, the estimated population was 11,318. The natural increase, the difference between the number of deaths and births, should make it at the present time 11,360; but it may be more on account of the increased number of houses.

The registered number of deaths during the year was 94, and this, after correction, exactly represents the number of deaths of residents in the District. Of the deaths 36 were of males, and 58 of females, as compared with 53 and 54 respectively in 1906. 94 deaths give a death-rate of 8·3, which is much below the average of the last ten years, 10·1.

The deaths in each month were as follow:—

January	13	April	3	July	5	October	5
February	8	May	6	August	10	November	12
March	12	June	10	September	7	December	3

The Coroner held four inquiries, one of them being for accident.

The births were 136, viz: 69 males, and 67 females, as compared with 93 and 78 respectively in 1906. 136 births are equal to a birth-rate of 12·01, as compared with 15·7 in 1906.

The following table gives the particulars for each Ward.

Ward	P'lation	No. of Deaths		Death Rate	No. of Births.		Birth Rate.	Deaths of children under 1.	Rate per 1000 births register'd	Deaths of children age 1 and under 5.	*Deaths from the ordinary Inf'ctious Diseases.	Zymotic Death-rate.	Deaths from Phthisis.	Phthisi-cal Death-rate.
		M.	F.		M.	F.								
Heaton Chapel	2957	10	16	8·7	7	15	7·4	3	136	1	2	0·61	0	0
Heaton Moor East	3340	8	10	5·3	25	15	11·9	1	25	0	0	0	0	0
Heaton Moor West	2136	7	15	10·0	14	12	12·1	1	38	0	1	0·46	1	0·46
Heaton Mersey	2885	11	17	9·7	23	25	16·6	5	104	4	2	0·69	3	1·03
Whole District...	11318	36	58	8·3	69	67	12·01	10	73	5	5	0·44	4	0·35
		94			136									

* Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Fevers, Diarrhœa, and Whooping Cough.

Report under the Factory and Workshops' Act.

During the year 1907, seven places were added to the register, viz :—

Workshops :	Dressmakers	3
	Bootmaker	1
	Tailor	1
	Pattern card maker	1
	Upholsterer	1

The total number on the register is now 44, viz :—

Workshops	23
Workshop Bakehouses	8
Factories	11
Factory Bakehouse	1
do. Laundry	1

The number of inspections made is 110, and among the offences dealt with were

Offensive pail closets, etc.	3
Overcrowding	1
Dirty gully in a bakehouse	1
Defective ventilation	3
Want of limewashing	8
Without abstract of laws exhibited ...	10
Want of registration	8

These were remedied without the necessity of legal proceedings.

No cases of infectious disease occurred at outworkers premises.

REPORT

OF THE

INSPECTOR OF NUISANCES.

To the Medical Officer of Health.

Dear Sir,

I have pleasure in forwarding you particulars of the work carried out in the Sanitary Department during the year ending 31st December, 1907.

The District was periodically inspected for the discovery of nuisances, and where possible, the nuisances were abated by personally calling attention of the offender to the same. In nine cases legal notices were served.

Infectious diseases received careful attention. Nineteen cases were removed to hospital, and 49 rooms were disinfected with formalin in spray and formaldehyde fumes. In several cases the bedding was either disinfected by steam or destroyed by burning.

The ashpits were emptied regularly at the request of the occupiers. The sanitary bins, which now number 368, were emptied weekly.

The smoke machine was used frequently for testing drains, and those found defective were repaired or relaid.

110 inspections were made under the Factory and Workshops' Act, and 21 offences were amended on pointing out the same to the occupiers. The bakehouses were also regularly inspected and found to be kept clean.

The slaughter houses and meat shops were regularly inspected. The greater portion of the meat arrives in the District already dressed, and can only be inspected while exposed for sale in the shops. In seven cases portions were found to be unsound and these were readily given up for destruction.

Cowsheds and Milkshops were inspected, and at several of the farms complaint had to be made as to cleanliness of the cowsheds and cattle. The stalls in several cases were repaired, and one of the farms was redrained and improved ventilation provided in the cowshed.

Description of Visits.

Re Infectious diseases	... ...	163
Rooms disinfected	... ...	55
Infectious cases removed to hospital	...	19
Inspection of Factories and Workshops	...	57
do.	Bakehouses	51
do.	Outworkers premises ...	2
do.	Cowsheds and Milkshops...	59
do.	Slaughter-houses and meat shops	32
do.	Privies, etc.	213
do.	Tip for refuse	19
do.	Houses, *re* complaints ...	74
do.	Fruiterers and fishmongers premises	23
do.	School closets	8
do.	Work in progress	134
do.	Other nuisances	107
Owners interviewed *re* nuisances	...	23
Drains tested	... ...	50
Re overcrowded and dirty houses	...	15
Ashpits emptied	... ...	3352
Sanitary bins emptied	... ...	13,120

Notices served.

Preliminary Notices	112
Legal Notices	9
Chimney Firing	44
Samples of water taken for analysis ...	11

Nuisances abated during 1907, from :—

Choked drains	15
Defective yards and passages repaired ...	11
do. gullies replaced	13
do. soil pipes repaired	8
do. ashpits do.	46
do. waste pipes do.	21
do. house drains do.	17
do. w.c. flushing fittings	10
Privy ashpits converted to water closets	42
Ashpits converted to sanitary bins ...	65
Houses redrained	22
Privy ashpits drained and repaired ...	12
Closets limewashed	78
Farm premises repaired and redrained ...	2
Cowsheds lighted and ventilated ...	2
Accumulations of waste matter removed	36
Storage of fishmongers' refuse	13
Nuisances under Factory and Workshops Act	21

I am, Sir,

Yours obediently,

I. CUNLIFFE,

Sanitary Inspector.

METEOROLOGICAL REPORT

FOR 1907.

RAINFALL.

Monthly Averages of last Ten Years.		Present Year's			Rain Gauge. Diameter of Funnel 5 ins Height of Top— Above ground, 1 ft. ,, sea level, 235 ft.			
		Rainf'l	Excess	Deficit				
Month	inches	inches	inches	inches	Total depth	Greatest fall in 24 hours		Days ·01 or more.
					inches	inches	Date	
JANUARY	2·628	1·160	—	1·468	1·160	0·350	1	11
FEBRUARY	2·000	2·045	0·045	—	2·045	0·340	20	13
MARCH	2·087	2·155	0·068	—	2·155	0·460	19	10
APRIL	2·073	1·340	—	0·733	1·340	0·180	20	16
MAY	2·253	4·620	2·367	—	4·620	0·620	21, 31	19
JUNE	2·007	4·905	2·898	—	4·905	0·720	5	24
JULY	2·281	3·260	0·979	—	3·260	0·940	21	18
AUGUST	3·786	3·835	0·049	—	3·835	0·840	8	19
SEPTEMBER	2·183	0·805	—	1·378	0·805	0·340	4	5
OCTOBER	3·457	3·195	—	0·262	3·195	0·620	16	19
NOVEMBER	2·593	2·355	—	0·238	2·355	0·560	23	15
DECEMBER	2·733	2·790	0·057	—	2·790	0.620	13	17
Totals	30·082	32·465	—	—	—	—	—	186

Table I.

Vital Statistics of Whole District during 1907 and Previous Years.

URBAN DISTRICT OF HEATON NORRIS.

Year	Population estimated to middle of each year.	Births.		Deaths under 1 year of age.		Total deaths at all ages.		Deaths in Public Institutions.	Deaths of non-residents registered in District.	Deaths of residents registered beyond the District.	Deaths at all ages, nett, belonging to the District.	
		Number.	*Rate	Number.	Rate per 1000 births registered.	Number.	*Rate				Number.	*Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1897	9155	133	14·5	11	82	90	9·8	9	9	1	82	8·9
1898	9200	145	15·7	21	144	108	11·7	8	8	6	102	11·0
1899	9650	145	15·0	18	124	102	10·5	4	12	0	94	9·7
1900	9915	148	14·9	17	115	111	11·1	11	13	12	110	11·0
1901	9494	157	16·5	21	133	119	12·5	9	9	4	114	12·0
1902	9752	152	15·5	13	85	93	9·5	5	5	5	93	9·5
1903	9856	152	15·4	23	151	100	10·1	6	6	5	99	10·0
1904	10497	171	16·3	21	122	112	10·6	8	10	6	108	10·3
1905	10829	151	13·9	13	86	110	10·1	9	9	6	107	9·8
1906	10844	171	15·7	21	122	112	10·3	12	12	7	107	9·8
Average	9919	152	15·3	17	111	105	10·5	8	9	5	101	10·1
1907	11318	136	12·01	10	73	94	8·3	8	6	6	94	8·3

Area of District ... 1619 acres

Number of Inhabited houses, Census 1901...1970.

Total Population at all ages at Census 1901 ... 9474

Average number of persons per house, ,, ,, ... 4·8.

*Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1907, AND PREVIOUS YEARS.

URBAN DISTRICT OF HEATON NORRIS.

	Whole District.				Heaton Chapel Ward.				Heaton Moor East Ward				Heaton Moor West Ward.				Heaton Mersey Ward.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
	a	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*b*	*c*	*d*	*a*	*b*	*c*	*d*
1897	9155	133	82	11	1959	26	16	0	2118	20	18	1	1999	21	19	2	3079	66	28	8
1898	9200	145	102	21	1968	31	24	3	2127	29	17	4	2018	33	16	3	3089	52	43	11
1899	9650	145	94	18	2344	33	31	6	2219	23	11	3	2033	23	22	4	2954	66	34	5
1900	9915	148	110	17	2408	33	26	5	2473	36	23	1	2085	31	20	4	2949	48	41	7
1901	9494	157	114	21	2310	40	22	3	2485	26	26	1	2024	26	23	5	2675	65	43	12
1902	9752	152	93	13	2496	23	19	3	2630	28	20	3	2001	37	20	2	2625	64	34	5
1903	9856	152	99	23	2630	24	29	5	2630	28	19	2	1980	37	23	7	2616	63	28	10
1904	10497	171	108	21	2856	33	35	5	2923	32	18	2	2040	32	17	1	2678	74	38	13
1905	10829	151	107	13	2894	20	22	1	3125	43	31	5	2083	27	17	0	2727	61	37	7
1906	10844	171	107	21	2918	34	24	3	3178	33	26	5	1978	25	22	1	2770	79	35	12
Averages Years 1897-1906.	9919	152	101	17	2478	29	24	3	2590	29	20	2	2024	29	20	3	2816	63	36	9
1907	11318	136	94	10	2957	22	26	3	3340	40	18	1	2136	26	22	1	2885	48	28	5

NOTES.—(*b*) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

(*c*) Deaths of residents occurring in public institutions, whether within or without the district, are to be allotted to the respective localities according to the addresses of the deceased.

TABLE III.

URBAN DISTRICT OF HEATON NORRIS.

Cases of Infectious Disease Notified during the year 1907.

Notifiable Disease.	Cases Notified in Whole District.							Total Cases Notified in each Locality.				No. of Cases Removed to Hospital from each Locality.				
	At all Ages.	At Ages—Years.														
		Under 1.	1 to 5.	5 to 15	15 to 25	25 to 65	65 and upw'ds	Heaton Chapel.	Heaton Moor East.	Heaton Moor West.	Heaton Mersey.	Heaton Chapel.	Heaton Moor East.	Heaton Moor West.	Heaton Mersey.	Tot. cases removed to Hosp'l
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	3	...	1	1	1	...	...	...	..	...	3	...	...	...	1	1
Membranous croup ...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	6	...	...	...	2	4	...	1	4	...	1	...	...	...	...	...
Scarlet fever ...	40	...	4	27	8	1	...	18	10	3	9	1	3	1	5	10
Typhus fever ...	...	..	..	...	..	...	...	...	...	...	...	...	..	...	...	...
Enteric fever ...	8	...	...	7	1	...	...	...	...	...	8	...	...	..	8	8
Relapsing fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever ..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	57	...	5	35	12	5	...	19	14	3	21	1	3	1	14	19

NOTE.—The localities adopted for this Table are the same as those in Tables II. and IV.
Isolation Hospitals:—Ladywell Sanatorium, Salford.

Table IV.

HEATON NORRIS URBAN DISTRICT.

Causes of, and Ages at, Death during Year 1907.

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.							Deaths in or belonging to localities [all ages]				Total Deaths in Public Institutions in the District.
	All Ages.	Und'r 1 year	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65,	65 and up-w'rds	Hea on Chapel.	Heaton Moor East.	Heaton Moor West.	Heaton Mersey.	
Small-pox ..	...	..	..	..	..	..	..		....	....	....	..
Measles ..	1	..	1	..	..	..	..	....	....	....	1	..
Scarlet fever ..	..	..	..	..	..	..	..	....	....	....	....	..
Whooping cough ..	1	..	1	..	..	..	..	....	....	....	1	..
Diphtheria and membranous croup ..	..	..	..	...	..	..	..	....	....	....	....	..
Croup ..	..	..	..	..	..	..	..	....	....	....	....	..
Fever — Typhus ..	...	..	..	..	..	..	..	....	....	....	...	..
Fever — Enteric ..	..	..	..	..	..	..	..	..	....	....	....	..
Fever — Other continued ..	..	.	..	..	..	..	..	....	....	....	....	..
Epidemic influenza ..	3	..	..	..	1	1	1	....	2	....	1	1
Cholera ..	..	..	..	..	..	..		....	....	....	....	..
Plague ..	..	..	..	..	..	.	..	.. .	....	....	....	..
Diarrhoea ..	3	2	...	..	..	...	1	2	....	1	.....	..
Enteritis ..	..	..	...	..	..	..	..	....	....	.....	....	..
Puerperal fever ..	..	..	..	..	..	..	..	....	....	....	....	..
Erysipelas ..	1	..	..	..	..	..	1	....	1	....	....	..
Other septic diseases ..	..	..	..	..	..	..	..	....	....	....	....	..
Phthisis ..	4	..	..	..	2	2	..	....	. ...	1	3	..
Other tubercular diseases	2	...	2	..	..	..	..	1	.....	....	1	..
Cancer, malignant disease	7	...	..	..	..	4	3	2	3	1	1	..
Bronchitis ..	6	..	..	..	..	1	5	1	2	....	3	..
Pneumonia ..	9	..	..	3	1	3	2	2	2	3	2	..
Pleurisy ..	1	..	..	..	..	1	..	..	....	1	....	..
Other diseases of the respiratory organs ..	1	1	..	..	..	..	..	....	....	....	1	..
Alcoholism / Cirrhosis of liver ..	1	..	..	..	...	..	1	....	....	1	...	..
Venereal diseases ..	..	..		..	..	..	..	....	....	....	....	..
Premature birth ..	4	4	..	..	..	..	..	1	1	....	2	..
Diseases and accidents of parturition ..	1	..	...	..	..	1	..	1	....	....	....	..
Heart diseases ..	7	..	..	..	1	4	2	2	2	2	1	..
Accidents ..	2	..	..	..	..	2	..	....	....	....	2	..
Suicides ..	1	..	..	..	..	...	1	.. ...	1	....	....	..
All other causes ..	39	3	1	2	2	11	20	14	4	12	9	5
All causes ..	94	10	5	5	7	30	37	26	18	22	28	6

TABLE V.

HEATON NORRIS URBAN DISTRICT. INFANTILE MORTALITY DURING THE YEAR 1907.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH,		Under 1 Week.	1–2 Weeks.	2–3 Weeks.	3–4 Weeks.	Total under 1 Mth	1–2 Months	2–3 Months	3–4 Months	4–5 Months	5–6 Months	6–7 Months	7–8 Months	8–9 Months	9–10 Months	10–11 Months	11–12 Months	Total under 1 Year
All Causes.	Certified	4		1		5	2	1	1					1				10
	Uncertified																	
Common Infectious Diseases.	Small-pox																	
	Chicken-pox																	
	Measles																	
	Scarlet Fever																	
	Diphtheria: Croup																	
	Whooping Cough																	
Diarrhœal Diseases.	Diarrhœa, all forms			1		1	1											2
	Enteritis (*muco enteritis, gastro ent.*)																	
	Gastritis, Gastrointestinal Catarrh																	
Wasting Diseases.	Premature Birth	1				1	1	1	1									4
	Congenital Defects	1				1												1
	Injury at Birth																	
	Want of Breast-milk																	
	Atrophy, Debility, Marasmus	1				1												1
Tuberculous Diseases	Tuberculous Meningitis																	
	Tuberculous Peritonitis: Tabes Mesenterica																	
	Other Tuberculous Diseases																	
	Erysipelas																	
	Syphilis																	
	Rickets																	
	Meningitis (*not Tuberculous*)																	
	Convulsions																	
	Bronchitis																	
	Laryngitis																	
	Pneumonia																	
	Suffocation, overlaying																	
	Other Causes	1				1								1				2
		4		1		5	2	1	1					1				10

Births in the year...136. Deaths from all Causes at all Ages...94. Population, estimated to middle of 1907...11318.